

# Test Questions



- 1. As discussed in this training, the policies and procedures used to define a NASA contractor's business objectives and strategies should be expressed as written documentation.

***True***

***False***

**Feedback:** "True" is the correct answer. As discussed in Slide I-6 and throughout the training, written documentation is important.

# Test Questions



- **2. The training defined a management system as “a network of company-wide objectives and policies, together with the corresponding assignments of authority and responsibility, passed by the chief operating official to functional area managers.”**

***True***

***False***

**Feedback: “True” is the correct answer. Slide I-7 gave this definition.**

# Test Questions



- **3. Departmental-level procedures for functions such as quality assurance begin at the department level and flow up to top corporate management levels to establish corporate policy.**

**True**

***False***

**Feedback: “False” is the correct answer. Slide I-6 shows a typical flow of policies and procedures that begins as top-level corporate policy and flows down to the departments.**

# Test Questions



- **4. For those contractor procedures executed in performance of NASA contracts, the Government demands the approval rights for the quality assurance management system regardless of contract provisions.**

**True**

***False***

**Feedback: “False” is the correct answer. The Property and Purchasing Systems are normally the only two management systems that will be approved by the Government. See Slide I-10. The Government reserves the right of disapproval for the others. See Slide I-9.**

# Test Questions



- 5. For those contractor procedures executed in performance of NASA contracts, the Government will normally only “approve” the Property Management and Purchasing Systems.

**True**

**False**

**Feedback:** “True” is the correct answer. The Property and Purchasing Systems are normally the only two management systems that will be approved by the Government. The Government reserves the right of disapproval for the others. See Slide I-10.

# Test Questions



- **6. Estimating and Forward Pricing are generally considered functional areas under which of the following contractor management systems?**
  - **Purchasing**
  - **Quality Assurance**
  - ***Contract Management***
  - **Manufacturing Operations**

**Feedback:** “Contract Management” is the correct answer. The management areas under Contract Management generally include contract administration, performance measurement, estimating, forward pricing, and indirect cost control. See Slide I-13.

# Test Questions



- 7. Which of the following will most likely be a key player in the Contract Management System?
  - Contractor Receiving Inspection Supervisor
  - Project Office Human Resources Staff
  - *Government Contracting Officer*
  - HQ NASA QA Manager

**Feedback:** “Government Contracting Officer” is the correct answer. The contracting officer is most certainly a key interface with the contractor on contract management issues. See Slide I-14.

# Test Questions



- 8. A satisfactory contractor estimating system will provide detailed guidance on the development, support, and submission of proposals.

***True***

***False***

**Feedback:** “True” is the correct answer. The training discussed this statement as one of the conditions for a satisfactory estimating system. See Slide I-16.



# Test Questions



- **9. The Data Management system should ensure techniques are in place to provide timely submission of estimates and correction of system deficiencies.**

**True**

***False***

**Feedback: “False” is the correct answer. The estimating function of an effective contract management system should provide this function. See Slide I-16.**

# Test Questions



- **10. Examples of a contractor Contract Management System might include which of the following activities?**
  - **Contract proposals**
  - **Contract changes**
  - **Contract negotiations**
  - ***All of the above***

**Feedback:** “All of the above” is the correct answer. Contract Management System activities will include all of the listed items plus others such as progress payment claims, labor and overhead rates, and estimating system reviews. See Slide I-18.

# Test Questions



- **11. The process, organizational structure, procedures, and resources that manufacturers and suppliers use to control ... variables to produce a product of consistent quality which meets defined specifications is an ISO 9000 definition for which of the following?**
  - **Design Engineering**
  - **Government Property**
  - **Quality Assurance**
  - **Safety**

**Feedback: “Quality Assurance” is the correct answer. ISO 9000-1, Quality Management and Quality Assurance Standards - Part 1, gives this definition. See Slide I-19.**

# Test Questions



- **12. The Quality Assurance functional areas of responsibility will include which of the following items?**
  - **Inspection and testing**
  - **Supplier quality assurance**
  - **Control of nonconforming supplies**
  - ***All of the above***

**Feedback:** “All of the above” is the correct answer. The training discusses all of the items as areas of functional responsibility. Others, as listed under the charts for Quality Assurance, include metrology/calibration/tooling, quality control planning, QA management, and work instructions/records. See Slides I-21 and I-22.

# Test Questions



- **13. Resident Management Office SR&MA representatives will be key players in the contractor's Quality Assurance System activities.**

**True**

**False**

**Feedback: "True" is the correct answer. Resident Management Office representatives, particularly for SR&MA, will be key players by virtue of their daily monitoring of contractor operations. See Slide I-23.**

# Test Questions



- **14. Key contractor players in the Quality Assurance Management System will include all of the following: the VP of Quality, the quality engineer, and the quality inspectors and operators.**

***True***

***False***

**Feedback: “True” is the correct answer. The mentioned individuals will directly play a key role in the many activities of quality assurance. See Slide I-23.**

# Test Questions



- **15. For a satisfactory Quality Assurance Management System, it is essential that the quality managers be restricted in their freedom from quality requirements and specifically report to the manufacturing supervisor for the assigned process area.**

**True**

***False***

**Feedback: “False” is the correct answer. The opposite of this statement is the required criteria for a satisfactory QA system. The system procedures must establish the authority of the quality managers so that they have freedom to ensure quality requirements. This includes organizational independence. See Slide I-24.**

# Test Questions



- **16. As part of the management of nonconforming supplies, the contractor's Quality Assurance Management System should allow the positive identification, detention, and segregation of nonconforming material from conforming material.**

**True**

**False**

**Feedback: "True" is the correct answer. This is one of the requirements for a satisfactory quality assurance management system. See Slide I-26.**



# Test Questions



- **17. The contractor is responsible for assuring that suppliers conform to contract requirements.**

***True***

***False***

**Feedback: “True” is the correct answer. These statements are true as to the requirements for a satisfactory quality assurance management system. See Slide I-28.**

# Test Questions



- **18. Contract-specified supplies and services provided by a subcontractor fall outside the scope of the prime contractor's Quality Assurance System.**

**True**

***False***

**Feedback: “False” is the correct answer. A satisfactory Quality Assurance System is one that ensures that all supplies and services from subcontractors and suppliers conform. The system should address the effectiveness of the supplier's quality control and corrective action. See Slide I-28.**

# Test Questions



- 19. Which of the following items would be a correct criterion for a satisfactory quality assurance inspection and testing function?
  - Ensure inspection and test operations are established under uncontrolled conditions
  - *Promptly correct improper methods*
  - Ensure items submitted to the customer meet the delivery schedule regardless of contract compliance
  - For economy, maintain test status in a non-traceable fashion

**Feedback:** “Promptly correct improper methods” is the correct answer. The other statements are false statements of other conditions of a satisfactory system. See Slide I-31.

# Test Questions



- **20. Examples of a contractor Quality Assurance Management System might include which of the following activities?**
  - **Quality Plan**
  - **Internal audits**
  - **Stamp control**
  - ***All of the above***

**Feedback:** “All of the above” is the correct answer. Quality Assurance System activities will include all of the listed items plus others such as work instruction inspections, corrective action, quality cost data, and supplier QA. See Slide I-32.

# Test Questions



- **21. The many aspects of contractor safety management systems such as programs for flight, explosives, industrial safety, occupational safety, and environmental protection can generally be grouped as loss prevention management, fire prevention, and system safety.**

***True***

***False***

**Feedback: “True” is the correct answer. The training discussed the safety system in terms of this grouping. See Slide I-34.**

# Test Questions



- 22. As long as the contractor has a NASA contract that requires a safety program, the contractor does not have to comply with Federal, State, and local safety codes.

True

False

**Feedback:** “False” is the correct answer. The contractor is required by the various laws to provide a safe environment for conducting business. Compliance with these laws is a prerequisite for a NASA contract. See Slide I-33.

# Test Questions



- **23. A satisfactory contractor system safety function will define and establish the internal and external safety interfaces and ensure the coordination and integration with the design engineering skills.**

**True**

**False**

**Feedback: “True” is the correct answer. The contractor procedures must address the interfaces both internally and externally for system safety. In particular, two-way communication must exist with design engineering. See Slides I-38 and I-41.**

# Test Questions



- **24. The Safety Program Plan is one of the key products and activities of a contractor safety system.**

***True***

***False***

**Feedback: “True” is the correct answer. The Safety Program Plan will be required by the contract. See Slide I-39 for other examples.**



# Test Questions



- **25. A contractor Design Engineering System will normally include which of the following functional areas?**
  - **Configuration Management**
  - **Reliability and Maintainability**
  - **Design Management**
  - ***All of the above***

**Feedback: “All of the above” is the correct answer. A contractor’s engineering system will normally include the listed areas plus test management, system safety, and integrated logistics. See Slide I-41.**

# Test Questions



- **26. An adequate Configuration Management System will be documented and include provisions for the practices of identification, control, accounting, and verification.**

***True***

***False***

**Feedback: “True” is the correct answer. The four practices of CM include identification, control, accounting, and verification. Refer to Slide I-45 for an explanation of each of these.**

# Test Questions



- **27. Which of the following are suggested requirements for a satisfactory contractor reliability/maintainability management function?**
  - Assign and document reliability procedures
  - Describe the techniques to achieve reliability goals
  - Establish closed-loop feedback to quality and manufacturing
  - *All of the above*

**Feedback:** “All of the above” is the correct answer. All items listed are suggested criteria for a satisfactory system. Refer to Slide I-46 for a discussion of these and other satisfactory elements.

# Test Questions



- **28. Which of the following is an example of contractor Design Engineering System activities as discussed in this training?**
  - **Configuration Change Board (CCB)**
  - **Material Review Board (MRB)**
  - **Cost Review Board**
  - **Work Instruction Inspections**

**Feedback:** “Configuration Change Board (CCB)” is the correct answer. The other items relate to other functional areas even though engineering may be a secondary player in the activity. See Slide I-49 for more information.

# Test Questions



- 29. \_\_\_\_\_ as defined by FAR Part 45 means all property owned by or leased to the Government or acquired by the Government under the terms of the contract.
  - Quality Assurance
  - Integrated Logistics Support
  - Manufacturing Operations
  - *Government Property*

**Feedback:** “Government Property” is the correct answer. This is the FAR Part 45 definition. See Slide I-50 for more information.

# Test Questions



- **30. Which of the following best represents the functional areas of Government Property as discussed in the training?**
  - ***Property Administration and Property Clearance***
  - **Salvage and Surplus Distribution**
  - **Government Property Control and GFP Management**
  - **None of the above**

**Feedback:** “Property Administration and Property Clearance” is the correct answer. These are the two areas that group the tasks of property administration and plant clearance. See Slide I-51 for more information.

# Test Questions



- **31. In general terms, the property administrator and plant clearance officer are key Government players related to the Government Property Management System.**

***True***

***False***

**Feedback: “True” is the correct answer. These are two very key players related to Government property and surveillance of a contractor’s system. Refer to Slide I-52 for more information.**

# Test Questions



- 32. The satisfactory control and safeguarding of all Government property does not require that the contractor use written receipts or maintain accountable property records with an audit trail.

True

False

**Feedback:** The correct answer is “False.” The exact opposite is true. The system must require accountable property records. Written receipts are required. Refer to Slide I-53.



# Test Questions



- 33. Government contract property physically located with subcontractors or at other alternate locations is controlled by the prime contractor's property control system.

**True**

**False**

**Feedback:** The statement is “True.” Even though the property belongs to the Government, the contractor’s system must maintain accountability and responsibility. Refer to Slide I-53.

# Test Questions



- **34. When a contractor no longer requires the use of Government property on a specific contract, the property may be automatically dispositioned at a public auction without further action by the plant clearance officer.**

**True**

***False***

**Feedback: “False” is correct. The contractor must report and certify property declared excess in accordance with FAR Part 45. Procedures must ensure declarations can be substantiated and that exhaustive reutilization is considered within the company. Slide I-54 discusses this area.**

# Test Questions



- **35. Which of the following is an example of contractor Government Property System activities?**
  - **Excess property analysis**
  - **Inventory records**
  - **Preventative maintenance records and requirements**
  - ***All of the above***

**Feedback:** “All of the above” is the correct answer. All items listed are typical examples. Slide I-55 lists others.

# Test Questions



- **36. To protect the Government's interest, the purchasing and subcontracting management system is normally approved by the Government contracting officer.**

**True**

**False**

**Feedback: "True" is correct. The purchasing system normally receives periodic review and approval by the Government. The DCMC ACO will frequently be responsible for the approval as the cognizant Government contract administration office. Purchased or subcontracted items usually constitute a very large percentage of NASA contracts. See Slide I-56.**

# Test Questions



- 37. A contractor's Purchasing System can be generally described as procedures for subcontract acquisition management, subcontract planning, subcontract award, and \_\_\_\_\_.
  - Source Inspection
  - Receiving and Inspection
  - Certified Suppliers Program
  - *Subcontract Administration (Post-award Management)*

**Feedback:** The proper choice is “Subcontract Administration (Post-award management).” The system can be functionally divided into the areas listed plus the administration. See Slide I-57.

# Test Questions



- **38. Manufacturing can be described as the conversion of raw materials through a series of . . . procedures and processes.**

***True***

***False***

**Feedback: “True” is correct. The Defense Manufacturing Management Guide gives this definition. Slide I-64 provides more information.**

# **Test Questions**



- **39. As discussed in this training, a contractor's manufacturing system can be described as consisting of which of the following functional areas?**
  - **Manufacturing Engineering**
  - **Manufacturing Planning**
  - **Facility Management**
  - ***All of the above***

**Feedback:** “All of the above” is correct. Manufacturing involves these areas plus management, work measurement, production scheduling, traffic management and packaging and handling. See Slides I-65 and I-66.

# Test Questions



- **40. Facility Management addresses the optimization of the contractor's plant layout, equipment usage, and material handling.**

***True***

***False***

**Feedback: “True” is correct. Facility Management does address the optimization of the facility or plant layout as well as the material handling and equipment usage. Slide I-66 covers this subject.**



# Test Questions



- 41. \_\_\_\_\_ measures the effective use of the labor work force. It focuses on the effective use through the measurement of performance against established standards.
  - Metrology and Calibration
  - Material Resources Planning
  - *Work Measurement*
  - Statistical Process Control

**Feedback:** “Work Measurement” is correct. The other choices do not relate directly to the measurement of labor standards. Slide I-66 addresses this subject.

# Test Questions



- 42. \_\_\_\_\_ services include the contractor tasks of preparing and arranging for shipments to include documenting, tracing, and routing activities.
  - *Traffic Management*
  - *Material Resources Planning*
  - *Final Inspection*
  - *Packaging, Handling, and Transportability (PH&T)*

**Feedback:** “Traffic Management” is correct. PH&T refers to the preparation of the product for shipment. Slide I-67 addresses this subject.

# Test Questions



- **43. A satisfactory manufacturing engineering system will ensure that the proper equipment, software, machines, tools, methods, and processes are defined and adequate to convert the design into the product.**

**True**

**False**

**Feedback: “True” is correct. Manufacturing engineering is the area of manufacturing concerned with the design-to-production interface. The statement describes the manufacturing engineer’s responsibility of defining the design-to-manufacturing interface. Manufacturing engineering must ensure all of the elements are defined. Slide I-70 addresses this subject.**

# Test Questions



- **44. Manufacturing planning is the area of manufacturing concerned with integrating master production plans into the plant-wide production plan.**

**True**

**False**

**Feedback: “True” is correct. The statement describes the planning process. The planning will ensure that the contractor’s documented system assures each program is covered and integrated into the Master Production Plans. This includes integration of the work force, materials, machine tools, and manufacturing processes to properly produce the end item for all programs. Slide I-71 addresses this subject.**

# Test Questions



- **45. A satisfactory contractor work measurement system will possess which of the following traits?**
  - **Use of recognized industrial engineering techniques for establishing standards**
  - **Procedures to pursue cost-effective methods improvement**
  - **Integration of work measurement into estimating and scheduling**
  - ***All of the above***

**Feedback:** “All of the above” is correct. The items list the criteria for a satisfactory work measurement function. Slide I-73 discusses the satisfactory criteria.

# Test Questions



- 46. A satisfactory \_\_\_\_\_ function will measure the available labor and material resources and allocate them into the daily work time frames. This includes routing, dispatching, and expediting of in-process items.
  - Traffic management
  - *Production scheduling and control*
  - Master tooling
  - None of the above

**Feedback:** “Production scheduling and control” is correct. This function performs the scheduling, distributing, and control of daily assignments. See Slide I-74.

# Test Questions



- **47. Which manufacturing functional area will continuously examine the performance of in-bound and out-bound transportation carriers and internal capabilities to meet contract requirements?**
  - *Traffic management*
  - **Production scheduling and control**
  - **Final acceptance**
  - **None of the above**

**Feedback:** “Traffic management” is correct. This function assesses the capabilities of carriers as well as the internal operations to meet contract shipping requirements. See Slide I-75.

# Test Questions



- **48. The contractor's Data Management System will ensure an acceptable quality or inspection process is in place for controlling the quality of deliverable data.**

**True**

**False**

**Feedback: "True" is correct. This statement does define a requirement for a satisfactory Data Management System. A satisfactory system must also address data requirements for verification and validation reviews. See Slide I-81.**